

## **ABSTRACT**

A centrifuge for the purification of lubricating oil of an internal-combustion engine is provided which includes a housing with a removable cover, a housing-fixed shaft arranged in the housing and a centrifuge rotor which is rotatably mounted on the shaft and is replaceable. The shaft is hollow at least in its lower part and forms in its hollow inside a section of a lubricating oil supply canal, which canal is in flow connection with an inside of the centrifuge rotor mounted on the shaft over at least one orifice opening. The centrifuge also includes an adjustable valve plug arranged at the shaft and arranged to be held in an open position by the centrifuge rotor. The valve plug releases the orifice opening in the open position. The valve plug is also arranged to be transferred into a closing position and held in the closing position by a force created by at least one of a pressure of the lubricating oil and by a preloading component if the centrifuge rotor is missing. The valve plug plugs the orifice opening in the closing position.

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